



BEST PRACTICE 1

1. Title of the Practice

Infrastructure with Clean and Green Environment

2. Objective of the Practice


- To make sure the engineering graduates highly creative and kind-hearted to be an in-valuable asset to the society.
- Educate the student's active involvement in spreading awareness among general public about global warming. And switch over to green energy from the conventional mode of energy generation.
- To educate the students about adopting Renewable Energy technologies to reduce the challenges of climate change and also to help in reducing the carbon footprint.

3. The Context:

- Green atmosphere attract the students and gives rise to a good character by keeping body, mind and soul clean and peaceful.
- The clean and hygienic condition of the college campus results in preventing the spread of infectious diseases and helping students lead healthy lives.
- The college aims to strengthening the mental as well the physical vitality of the students through proper sporting facilities and activities.
- The college partial electricity depends on solar power generation which is installed on the roof top of the main building to satisfy the energy needs of the institute.

4. Implementation:

- The college has good infrastructure with clean and green environment. All the physical constructions of the campus are being refurbished time to time.
- Enough number of sweepers and gardeners are deputed to maintain the college campus clean and to ensure green and cleanliness of the college ambiance.


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- The ground facilities are properly watered time to time to let the grass grow and the excessive grass is removed with the cutting machines. Enough number of sports equipment and instruments are available always and the defunct materials are replaced in order to provide better satisfaction to the students.
- The installation of roof-top solar power panels minimizes our dependency of electricity from grid. As a part of energy conservation methods, LJCET campus has the 10KWp Solar Plant to reduce the dependency of conventional sources of energy.
- Our campus has the Biogas plant with the capacity of 10m³ near college mess which can handle the food waste from 200-300 Persons.
- The students are constantly motivated to voluntarily adopt energy conservation measures such as, increased usage of LED bulbs or smart lighting options, avoid the use of water heating equipment's.

5. Evidence of Success

- Student's absenteeism is minimized because of clean and green atmosphere as this is being achieved due to the peaceful ambiance of the campus.
- Less number of psychological issues and growth of students' personality as a result of sports facilities.
- Better college ambiance is provided through hygienic conditions in the campus. As the cleanliness of the ambiance controls the spreading of communicable diseases and the infection.
- The students began to understand the significance of unconventional energy sources and minimal dependency on conventional energy sources.
- By adaptation of the conservation methods, students got the knowledge of using the electric energy effectively with recent technologies.

6. Problems Encountered and Resources Required:

- ✓ We faced difficulties in sensitizing a very few students to dispose the waste by using dustbins.


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- ✓ The college always encounters hurdles in encouraging the female students to participate in sporting activities most of them are from rural background therefore they are hesitant and reluctant.
- ✓ Due to the increased cell-phone addiction among the students, the institute strains a lot in encouraging the students to spend valuable time in sports activities.

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BEST PRACTICE 2

1. Title of the Practice:

Student Centric Teaching - Learning Process

2. Objectives of the Practice:

Student centric teaching learning approach is a teaching method that focuses on creating connections with student's interests and the things they learn in school. In this approach, the teacher acts a facilitator and helps students to develop the abilities necessary for studying effectively by giving them the opportunities to work independently and with others.

3. The Context:

Steps taken to adopt Student centric teaching-learning approaches are as follows,

- ✓ Identification of Gap in the Curriculum
- ✓ Collaboration with Professionals and Experts
- ✓ Personalized learning plan development
- ✓ New learning methods
- ✓ Feedback

4. The Practice

Project-Based Learning: Students are encouraged to take up projects, mini projects, Internships and Industrial visits to give practical exposure to the students. Seminars and conferences organized by the Departments helps the student to improve their level of awareness and exposure towards latest trends and technologies.

Self-Directed Learning: The College identifies the gap in the curriculum based on the modern technology and industrial needs. Based on student's expectations, Industrialists and Employers and bridges the gap through conduct of Value Added courses, Workshops to the students by Professionals.


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Collaborative Learning: The College promotes a method of education in which a group of students (two or more) attempts to learn something together using group projects, assignments, etc. In this way, the students can defend their places, reframe new ideas, understand other people's points of view and gain a better understanding of a subject rather than working as individuals.


Student Support System: The College uses a personalized learning strategy in which students gain support according to their performance. The first continuous internal assessment results are used to categorize the students. Quick Learners are encouraged and assisted in expanding their knowledge. Students who don't perform well enough are put in remedial classes. Student feedbacks aid in the enhancement of the College's teaching-learning practices.

Blended Learning: Seminars, workshops, and value-added courses are offered both online and offline mode. Students may learn whenever it is most convenient for them thanks to smart classrooms, learning materials stored in Google Classroom, and remote access to library e-resources. Students are encouraged to enroll in online courses in order to enhance their proficiency in areas of personal interest.

5. Evidence of Success

Success is the positive change of behaviour affected by learning. It is displayed when students realize their own learning objectives. The following is the evidence of success:

- ✓ The College has one rank holder in Aeronautical engineering department during 2017-2021 batch.
- ✓ Incorporating student driven teaching methods has proved to be the effective strategy for engaging students in learning process.
- ✓ Considerable number of students pursue higher education.
- ✓ Improved attitude to learn, listen to others and express views confidently.
- ✓ Demonstrated diligence, enthusiasm and a genuine interest in studies


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- ✓ Displayed willingness to participate in innovative approaches.
- ✓ Actively participated in seminars, campus drives and social work.
- ✓ Significant rise in the use of college learning resources such as the Library, digital and Virtual Class rooms, computer labs and certificate courses offered by the college
- ✓ Placement record has been consistently increasing every year through training and the outcome based education

6. Problems Encountered and Resources Required

Problems Encountered	Action Taken
Diverse range of resources	E-Library and Smart Classrooms helped to access wide range of resources
Lack of Teacher Training	Semester wise Faculty Development Programmes conducted to improve skill set of the teachers.

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